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Title:	JP11100784A2: REMOVAL OF INK
Derwent Title:	De-inking by flotation process - in the presence of at least one of cationic compound, amine, acid salt of amine, and amphoteric compound, and organic acid <small>[Derwent Record]</small>
Country:	JP Japan
Kind:	A
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Published / Filed:	1999-04-13 / 1997-09-26
Application Number:	JP1997000261994
IPC Code:	D21C 5/02;
Priority Number:	1997-09-26 JP19971997261994
Abstract:	<p>PROBLEM TO BE SOLVED: To perform ink removal to high whiteness with reduced ink residue by carrying out at least a part of the floatation process in the presence of a combination of at least one selected from a specific cationic compound, an amine or its acid salt and an amphoteric compound with a specific organic acid or its ion.</p> <p>SOLUTION: At least a part of the floatation process is carried out in the presence of at least one selected from the group consisting of a cationic polymer with a nitrogen content of 0.01-35 wt.% and a weight-average molecular weight of 2,000-3,000,000, an amine or its acid salt and an amphoteric compound, and an organic acid represented by the formula: X1-O-(AO)_n-X2 (X1 is a 1-24C alkyl or alkenyl, H, CH₂COOH, SO₃H or PO₃H₂; X2 is CH₂COOH, SO₃H, or PO₃H₂; AO is a 2-4C alkylene oxide; (n) is a number of 1-500), or its ion and a nonionic surfactant at a pH of 4-12, thereby removing ink effectively.</p> <p>COPYRIGHT: (C)1999,JPO</p>
Family:	None
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